



AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims

- 1-11 (Cancelled)
12. (Withdrawn) An in-vehicle electronic device comprising:
a circuit-constituting conductor member formed on a substrate;
an insulating member provided on the substrate such that a surface of the circuit-constituting conductor member is covered by the insulating member;
an amplifying means provided on a same side of the substrate as the circuit-constituting conductor member and the insulating member, wherein the amplifying means is electrically connected to the circuit-constituting conductor member and amplifies a signal inputted thereto via the circuit-constituting conductor member and outputs an amplified signal; and
a conductor member provided on the insulating member such that at least a part of the surface of the circuit-constituting conductor member is covered by the conductor member via the insulating member, said conductor member not being electrically connected to other conductors.
13. (Withdrawn) The in-vehicle electronic device according to claim 12, wherein the circuit-constituting conductor member comprises a first signal line and a second signal line, wherein the conductor member is mounted via the insulating member such that at least one of the first signal line or the second signal line is covered by the conductor member, which is not electrically connected to any of the other conductors.
14. (Withdrawn) The in-vehicle electronic device according to claim 13, wherein the amplifying means is an operational amplifier, wherein the first signal line and the second

signal line are metal wires printed on the substrate, and wherein the insulating member and the conductor member are on the substrate in layers, the substrate having the metal wires printed thereon.

15. (Withdrawn) The in-vehicle electronic device according to claim 13, wherein the other of the first signal line or the second signal line is covered by the conductor member via the insulating member.

16. (Withdrawn) A thermal flowmeter comprising:

a heat generating resistance body formed on a substrate and disposed in a path through which a gas flows;

an insulating member mounted on the substrate such that a surface of the heat generating resistance body is covered by the insulating member;

an amplifying means mounted on a same side of the substrate as the heat generating resistance body and the insulating member, wherein the amplifying means is electrically connected with the heat generating resistance body, the amplifying means amplifying a signal inputted from the heat generating resistance body and outputting an amplified signal; and

a conductor member mounted on the insulating member such that at least a part of the heat generating resistance body is covered by the conductor member, via the insulating member, said conductor member not being electrically connected with other conductors,

wherein the flow rate of the gas that flows through the path is measured on the basis of the amplified signal outputted from the amplifying means.

17. (Currently Amended) An electronic circuit board comprising:

a substrate;

a circuit conductor layer on a substrate having first and second conductors;

an operational amplifier comprising a monolithic IC and connected to the circuit conductor layer via the first and second conductors, the first conductor being connected to a

positive input of the operational amplifier and the second conductor being connected to a negative input thereof comprising a monolithic IC;

a third conductor; and

an insulating layer,

wherein the circuit conductor layer, a the third conductor, and the that covers, via an insulating layer are all disposed on the substrate with the insulating layer disposed between the circuit conductor layer and the third conductor, wherein the first and second conductors are at least partially located below or above the third conductor layer, a part of the first conductor in the circuit conductor layer that is connected to a positive input of the operational amplifier, and a part of the second conductor of the circuit conductor layer that is connected to a negative input of the operational amplifier, and wherein the third conductor is not electrically connected with any part.

18. (Previously Presented) The electronic circuit board according to claim 17, wherein the third conductor is a metal plate mounted on the insulating layer.

19. (Previously Presented) The electronic circuit board according to claim 17, wherein

the first conductor of the circuit conductor layer that is connected to the positive input of the operational amplifier and the second conductor of the circuit conductor layer that is connected to the negative input of the operational amplifier are each comprised of a central conductor in a separate shield line, wherein the third conductor is comprised of a covering conductor of the respective parts of each of the shield lines,

and wherein the covering conductor of the individual shield lines is not connected to any of the other conductors.

20. (Previously Presented) The electronic circuit board according to claim 17, wherein the electronic circuit board is part of a thermal flowmeter.

21. (Previously Presented) The electronic circuit board according to claim 17, wherein the electronic circuit board is part of a thermal flowmeter, and wherein the third conductor and the first and second conductors are capacitance coupled with each other via the third conductor to terminate the alternating current element.

22. (Previously Presented) The electronic circuit board according to claim 17, wherein the electronic circuit board is part of a thermal flowmeter, and wherein the first conductor of the circuit conductor layer that is connected to the positive input of the operational amplifier and the second conductor of the circuit conductor layer that is connected to the negative input of the operational amplifier are each comprised of a central conductor of a separate shield line, and wherein the first and second conductors are capacitance coupled with each other via the third conductor to terminate the alternating current element.